

PC MOUNT

SPECIFICATIONS:

MATERIAL:
 FRAME & CASE- PPS UL94V-0, BLACK
 ROTOR, PA6T UL94V-0, COLOR SEE P/N TABLE
 FIXED CONTACT/TERMINAL- COPPER ALLOY, GOLD FLASH OVER NICKEL PLATE
 MOVING CONTACT- COPPER ALLOY, GOLD FLASH OVER NICKEL PLATE
 BALL SUPPORT PLATE- COPPER ALLOY
 BALL- STAINLESS STEEL
 DETENT SPRING- STAINLESS STEEL
 O-RING- SILICON RUBBER

ELECTRICAL:
 CONTACT RATING- 0.4VA@ 20V DC OR PEAK AC
 INITIAL CONTACT RESISTANCE- 50 MILLIOHMS MAX
 INSULATION RESISTANCE- 1,000 MEGOHMS@100V DC
 DIELECTRIC STRENGTH- 300V AC
 LIFE EXPECTANCY- 10,000 ROTATIONS

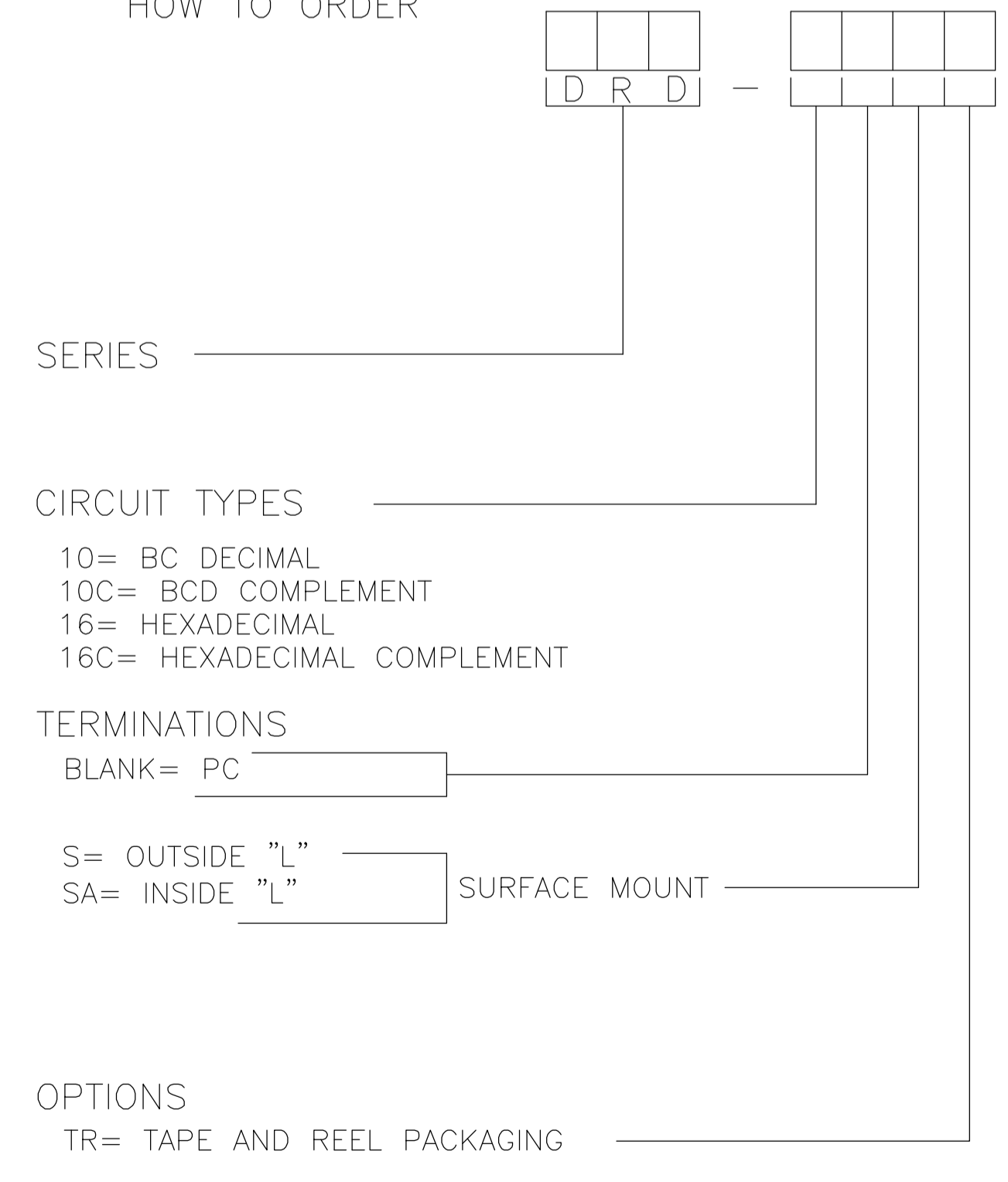
MECHANICAL:
 OPERATING FORCE- 6 OZ.-IN. (NOMINAL)
 OPERATING FORCE (SMT)- 3 OZ.-IN. (NOMINAL)

ENVIRONMENTAL:
 OPERATING TEMPERATURE- -30°C TO +85°C
 STORAGE TEMPERATURE- -45°C TO +100°C
 RESISTANCE TO SOLDER HEAT-PER 109-202, COND B (THRU-HOLE) OR 109-201, COND B (SMT)
 SOLDERABILITY-PER JIS C 0050 & JIS C 0053

NOTES:

- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- TAPE & REEL PACKAGING PER EIA-481
- COMMON TERMINALS ARE CONNECTED INTERNALLY.

HOW TO ORDER

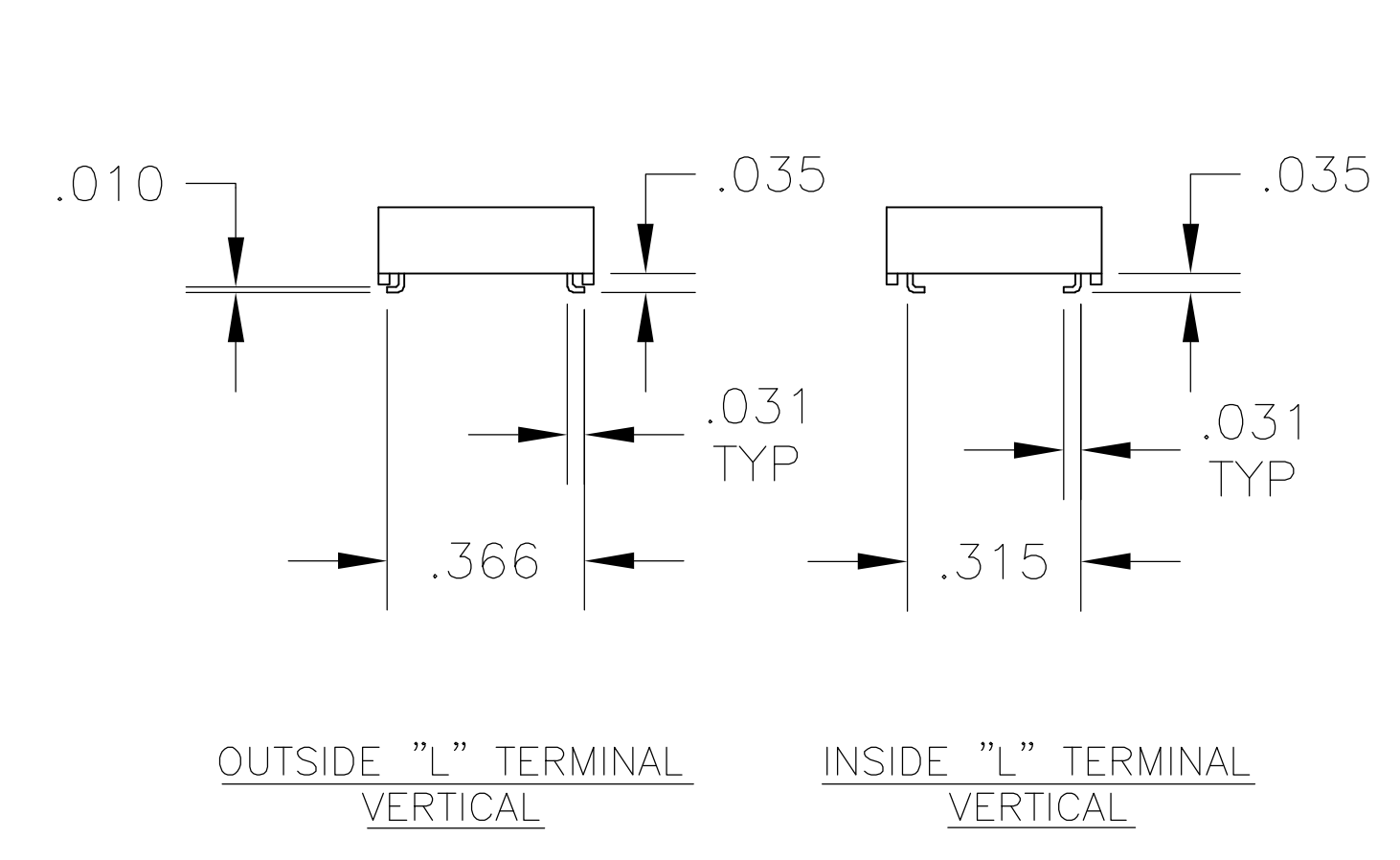
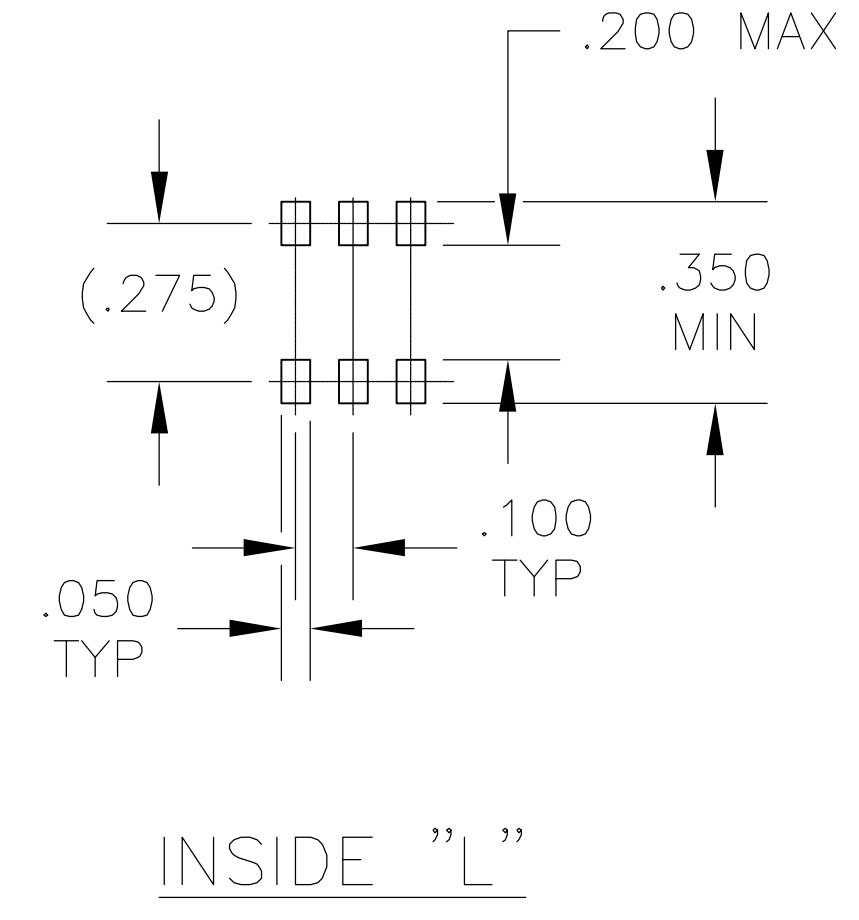
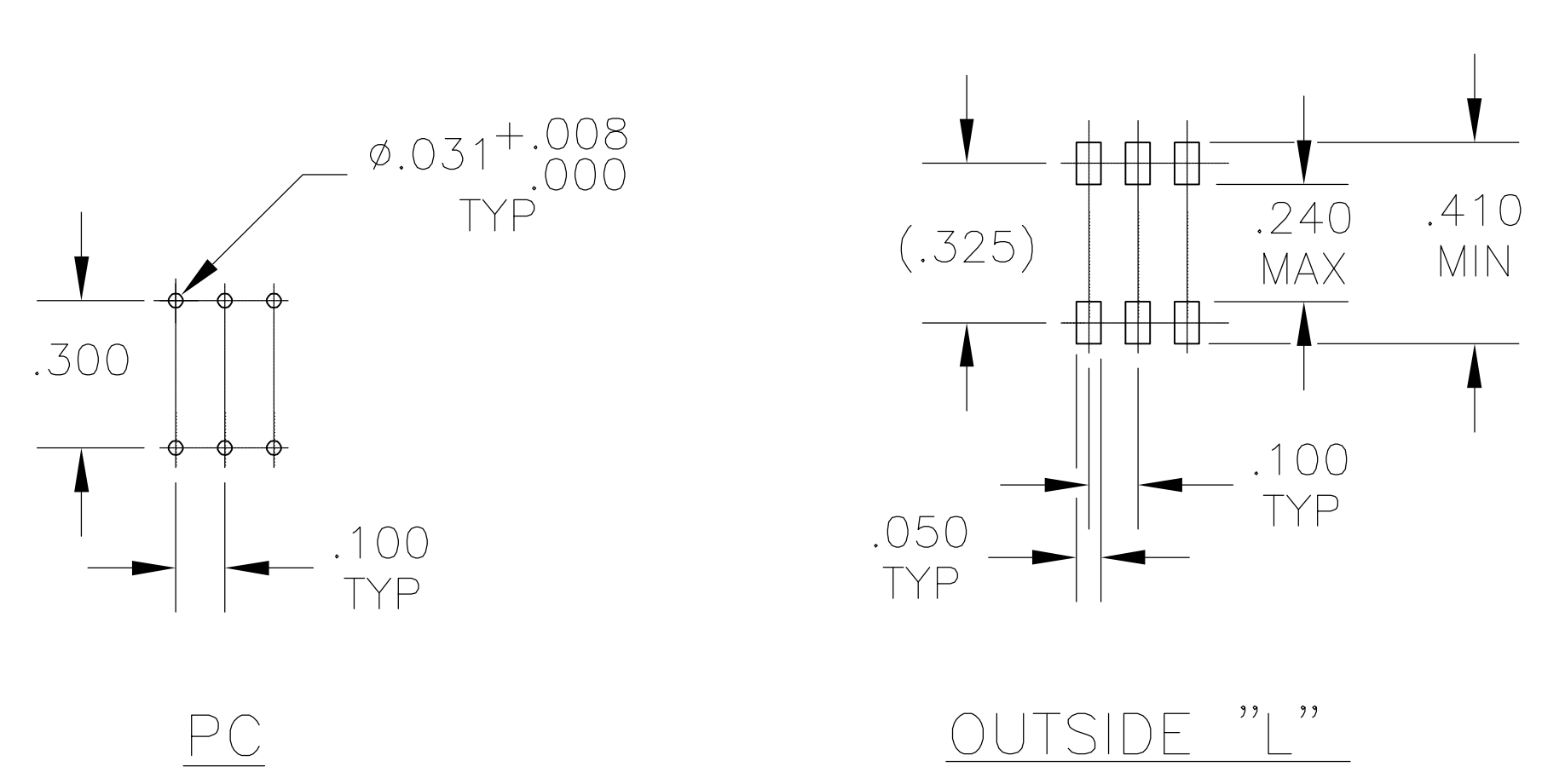


| MTG TYPE | ROTOR COLOR | CASE COLOR | ALCO P/N | TYCO P/N |
|-----------|-------------|------------|---------------|-------------|
| SMT | BLACK | BLACK | DRD16SETR04 | 2-1825007-0 |
| SMT | BLACK | BLACK | DRD16SAETR04 | 1-1825007-9 |
| SMT | BLACK | BLACK | DRD16SE04 | 1-1825007-8 |
| SMT | BLACK | BLACK | DRD16SAE04 | 1-1825007-7 |
| THRU-HOLE | BLACK | BLACK | DRD16E04 | 1-1825007-6 |
| SMT | WHITE | BLACK | DRD16CSETR04 | 1-1825007-5 |
| SMT | WHITE | BLACK | DRD16CSAETR04 | 1-1825007-4 |
| SMT | WHITE | BLACK | DRD16CSE04 | 1-1825007-3 |
| SMT | WHITE | BLACK | DRD16CSAE04 | 1-1825007-2 |
| THRU-HOLE | WHITE | BLACK | DRD16CE04 | 1-1825007-1 |
| SMT | RED | BLACK | DRD10SETR04 | 1-1825007-0 |
| SMT | RED | BLACK | DRD10SAETR04 | 1825007-9 |
| SMT | RED | BLACK | DRD10SE04 | 1825007-8 |
| SMT | RED | BLACK | DRD10SAE04 | 1825007-7 |
| THRU-HOLE | RED | BLACK | DRD10E04 | 1825007-6 |
| SMT | ORANGE | BLACK | DRD10CSETR04 | 1825007-5 |
| SMT | ORANGE | BLACK | DRD10CSAETR04 | 1825007-4 |
| SMT | ORANGE | BLACK | DRD10CSE04 | 1825007-3 |
| SMT | ORANGE | BLACK | DRD10CSAE04 | 1825007-2 |
| THRU-HOLE | ORANGE | BLACK | DRD10CE04 | 1825007-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

| | | | | | | | |
|--------------------|--|-----------|-----------|-----------|--------------|------------------|-------------|
| DIMENSIONS: INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED: | 0 PLC ± - | 1 PLC ± - | 2 PLC ± - | 3 PLC ± .010 | 4 PLC ± - | ANGLES ± 1' |
| MATERIAL SEE NOTE | | FINISH - | | WEIGHT - | | A1 00779 1825007 | |

Customer Drawing SCALE 4:1 SHEET 1 OF 2 REV A

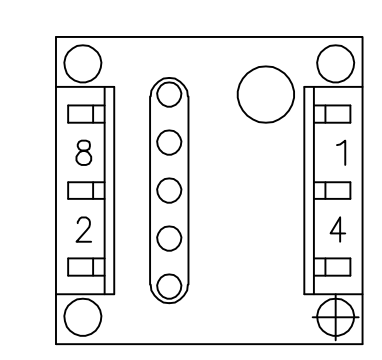


PRINTED CIRCUIT BOARD LAYOUTS

TERMINAL CONFIGURATIONS

TRUTH TABLES

TERMINAL IDENTIFICATION
 (VIEWED FROM BOTTOM OF SWITCH)



10-POSITION, BCD ROTOR - RED

| POS | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----|---|---|---|---|---|---|---|---|---|---|
| C | X | X | X | X | X | X | X | X | X | X |
| 1 | | X | | X | | X | | X | | X |
| 2 | | | X | X | | | X | X | | |
| 4 | | | | | X | X | X | X | | |
| 8 | | | | | | | | | X | X |

16-POSITION, HEXADECIMAL ROTOR - BLACK

| POS | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 1 | | X | | X | | X | | X | | X | | X | | X | | X |
| 2 | | | X | X | | | X | X | | | X | X | | | X | X |
| 4 | | | | | X | X | X | X | | | | X | X | X | X | X |
| 8 | | | | | | | | | X | X | X | X | X | X | X | X |

10 POSITION, BCD COMPLEMENT ROTOR - ORANGE

| POS | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----------|---|---|---|---|---|---|---|---|---|---|
| \bar{C} | X | X | X | X | X | X | X | X | X | X |
| $\bar{1}$ | X | | X | | X | | X | | X | |
| $\bar{2}$ | X | X | | | X | X | | | X | X |
| $\bar{4}$ | X | X | X | X | | | | | X | X |
| $\bar{8}$ | X | X | X | X | X | X | X | X | | |

16-POSITION, HEXADECIMAL COMPLEMENT ROTOR - WHITE

| POS | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| \bar{C} | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| $\bar{1}$ | X | | X | | X | | X | | X | | X | | X | | X | |
| $\bar{2}$ | X | X | | | X | X | | | X | X | | | X | X | | |
| $\bar{4}$ | X | X | X | X | | | | | X | X | X | X | | | | |
| $\bar{8}$ | X | X | X | X | X | X | X | X | | | | | | | | |

| | | | | | |
|--|--|------------------------|---------|----------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN E.S. VISWESWARA | 10MAY05 | tyco Electronics | Tyco Electronics Corporation Harrisburg, Pa 17105-3608 |
| DIMENSIONS: INCHES | | CHK M.S. SARVER | NAME | | PRODUCT SPEC |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD | | APPLICATION SPEC | SIZE |
| 0. PLC ± .010 | | NAME | | ROTARY DIP | 1 |
| 1. PLC ± .010 | | CAGE CODE | | DRD E SERIES | 2 |
| 2. PLC ± .010 | | DRAWING NO | | — | 2 |
| 3. PLC ± .010 | | C=1825007 | | — | 2 |
| 4. PLC ± .010 | | SCALE | | 2:1 | REV |
| ANGLES ± 1° | | CUSTOMER DRAWING | | — | A |
| FINISH | | WEIGHT | | — | — |
| MATERIAL | | A1 | | — | — |
| SEE NOTE | | — | | — | — |